



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Serial No.	Filed	Assignment Recorded at Reel/Frame	Docket No.
10/309,647	12/4/2002	010469/0541	P052-US-C1
09/575,492	5/18/2000	011130/0100	P054-US-01
10/263,333	10/2/2002		P150-US-U1
09/281,741	3/30/1999	013417/0931	P214-US-U1
09/971,293	10/4/2001	013409/0043	P214-US-C1
09/281,566	3/30/1999	013409/0046	P215-US-U1
10/021,119	10/30/2001	012389/0263	P216-US-U1
09/551,802	4/18/2000	013428/0345	P219-US-U1
09/551,276	4/18/2000	013428/0261	P220-US-U1
09/552,759	4/18/2000	013434/0740	P226-US-U1
09/551,047	4/18/2000	013014/0400	P227-US-U1
09/552,469	4/18/2000	013014/0450	P229-US-U1
09/551,060	4/18/2000	013014/0383	P230-US-U1

Assistant Commissioner for Patents
Washington, D.C. 20231

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APR 25 2003

Technology Center 2600

**SUBMISSION OF TRUE COPIES OF POWERS OF ATTORNEY,
REVOCATION, AND CERTIFICATION UNDER 37 CFR §3.73(B)**

Sir:

The undersigned respectfully submits the attached documents which are true copies of the executed originals:

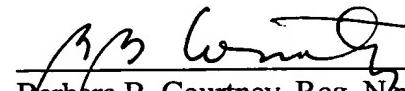
1. Power of Attorney by Assignee and Certification Under 37 CFR §3.73(B);
2. Associate Power of Attorney; and
3. Assignment in U.S. Patent Application Serial No. 10/236,333.

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Please charge deposit account 501914 for any fees due in connection with this submission.

Respectfully submitted,

Date: April 18, 2003



Barbara B. Courtney, Reg. No. 42,442
Tel. 408-236-6647



Docket No. 51929-1210
Page 1 of 3
(Patent Assignment)

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

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WHEREAS, the following parties:

APR 25 2003

Name

Address

Technology Center 2600

Amin Salkhi

34354 Vieste Terrace, Fremont, California, 94555

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

GLOBAL POSITIONING APPARATUS AND METHOD FOR USING A TEMPERATURE COMPENSATED OSCILLATOR TO PERFORM A POSITION FIX,

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on October 2, 2002, and assigned Serial No. 10/263,333, and
- further described in U.S. Provisional application entitled "Reducing Time to First Fix in GPS Systems Using Temperature Compensated Real Time Clock," filed with the USPTO on October 2, 2001, and assigned Serial No. 60/326,898.

WHEREAS, SIRF Technology, Inc., having a place of business at 148 East Brokaw Road, San Jose, CA, 95112, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

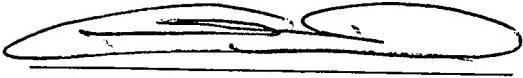
ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

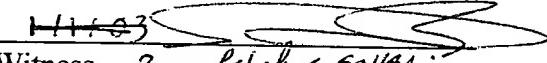
Date:

1/1/03


Amin Salkhi

Before me personally came **Amin Salkhi** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Date: 1/1/03


Witness Banafsheh S. Salkhi

Date: 1/1/03


Witness FATEMEH H. MAGHRIBI



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Technology Center 2600

Associate Power of Attorney

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, the undersigned, am a principal attorney of record for the patent applications identified above by virtue of a duly executed power of attorney filed herewith and, as such, hereby appoint Nicolas S. Gikkas, Reg. No. 46,245, Chief IP Counsel for SiRF Technology, Inc. located at 148 E. Brokaw Road, San Jose, CA 95112, telephone (408) 392-8347, as an

associate attorney with full authority to prosecute said patent applications and to transact all business in the Patent and Trademark Office connected therewith.

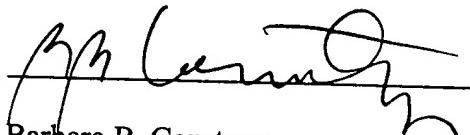
Please continue to direct all communications regarding the above-identified patent applications to the following address:

Shemwell Gregory & Courtney LLP
4880 Stevens Creek Blvd., Ste. 201
San Jose, CA 95129

Telephone: (408) 236-6646
Facsimile: (408) 236-6641
Customer No. 30554

Respectfully Submitted,

Date April 18, 2003



Barbara B. Courtney
Reg. No. 42,442



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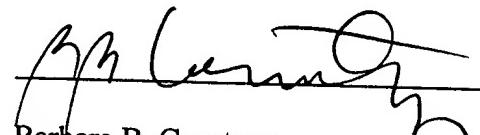
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Power of Attorney by Assignee and Certification
Under 37 CFR §3.73(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent applications, hereby revoke all prior powers of attorney for said applications and appoint the practitioners at Customer Number 30554, the Customer Number of Shemwell Gregory & Courtney LLP, as my/our attorney(s) or agent(s)

to prosecute said applications, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR §3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:

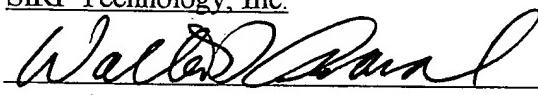
Shemwell Gregory & Courtney LLP
4880 Stevens Creek Blvd., Ste. 201
San Jose, CA 95129

Telephone: (408) 236-6646
Facsimile: (408) 236-6641
Customer No. 30554

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the assignments recorded in the Patent and Trademark Office at the above-indicated reel/frame locations or, if not indicated above, by the assignment documents attached hereto.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: SiRF Technology, Inc.

Signature: 

Typed Name: Walter Amaral

Title: CFO and Sr. Vice President

Date: APRIL 14, 2003

Address: 148 Brokaw Road
San Jose, California 95112



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Washington, D.C. 20231

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to prosecute said applications, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR §3.71.

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ASSIGNEE: SiRF Technology, Inc.

Signature: Walter Amaral

Typed Name: Walter Amaral

Title: CFO and Sr. Vice President

Date: APRIL 14, 2003

Address: 148 Brokaw Road
San Jose, California 95112



2634

FIRST CLASS MAIL CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service FIRST CLASS MAIL service with sufficient postage on the date indicated below and that the paper(s) and/or fee(s) have been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Barbara B. Courtney Date of Deposit: April 18, 2003
(Typed or printed name of person mailing paper(s) or fee(s))

BB Courtney
(Signature of person mailing paper or fee)

April 18, 2003
(Date signed)

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09/551, 802276.

Serial/Patent No.: Thirteen (13) matters Filing/Issue Date: Various
Client: SiRF Technology, Inc.

Atty. Docket No.: Thirteen (13) matters Date Mailed: April 18, 2003

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | |
|--|--|
| <input type="checkbox"/> Amendment/Response (3 pgs.) | <input type="checkbox"/> Petition for Extension of Time (month(s)) |
| <input type="checkbox"/> Preliminary Amendment (pgs.) | <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08A |
| <input type="checkbox"/> Application - Utility (pgs.) | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Application - Rule 1.53(b) Contin. (pgs.) | <input type="checkbox"/> Submission of Formal Drawings |
| <input type="checkbox"/> Application - Rule 1.53(b) Divis. (pgs.) | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (pgs.) | <input type="checkbox"/> Appeal Brief (pgs. in triplicate) |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA (pgs.) | <input type="checkbox"/> Reply Brief |
| <input type="checkbox"/> Application - PCT (pgs.) | <input type="checkbox"/> Response to Notice of Missing Parts |
| <input type="checkbox"/> Application - Provisional (pgs.) | <input type="checkbox"/> Utility Patent Application Transmittal |
| <input type="checkbox"/> Drawings (sheets) | <input type="checkbox"/> Fee Transmittal (in duplicate) |
| <input type="checkbox"/> Declaration & POA (pgs.) | <input checked="" type="checkbox"/> Itemized Postcard |
| <input type="checkbox"/> Assignment & Cover Sheet (pgs.) | <input checked="" type="checkbox"/> First Class Mail Certificate of Mailing (37 C.F.R 1.8) |
| <input checked="" type="checkbox"/> Power of Attorney and Certification under 37 C.F.R. 3.73(b)(2 pages) | <input type="checkbox"/> Express Mail No. _____ |
| <input type="checkbox"/> Nonpublication Request (35 USC 122(b)) | <input type="checkbox"/> Check No. _____ Amt _____ |
| <input checked="" type="checkbox"/> Other <u>True Copy Letter (2 pages); Associate Power of Attorney (2 pages); and Copy of Assignment in U.S. Patent Application 10/263,333 (3 pages)</u> | |